

DCTPP1 Human

Description:DCTPP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 194 amino acids (1-170) and having a molecular mass of 21.2kDa.DCTPP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-241

For research use only.

Synonyms:dCTP pyrophosphatase 1, RS21C6, XTP3TPA, Deoxycytidine-triphosphatase 1, dCTPase 1, XTP3-transactivated gene A protein, CDA03, MGC5627, XTP3-transactivated protein A, EC 3.6.1.12.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMSVAGG EIRGDTGGED
TAAPGRFSFS PEPTLEDIRR LHAEEFAAERD WEQFHQPRNL LLALVGEVGE LAELFQWKTD
GEPGPQGWSP RERAALQEEL SDVLIYLVAL AARCRVDLPL AVLSKMDINR RRYPAHLARS
SSRKYTELPH GAISEDQAVG PADIPCDSTG QTST

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

The DCTPP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

DCTPP1, also known as dCTP pyrophosphatase 1, contains an epilepsy-associated repeat (EAR) domain that is predicted to participate in protein-protein interactions, most likely involved in ligand recognition. This protein functions to hydrolyze abnormal nucleotide triphosphates (NTPs) in cancer cells that, if unregulated, could be incorporated into nascent DNA or RNA.

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